

# Converting Colors

$Yxy(64.0452, 0.2829, 0.2741)$

Have a look what the booklet for  
Yxy(64.0452, 0.2829, 0.2741)  
contains.

<b>Yxy(64.1074, 0.2832, 0.2742)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.1074, 0.2832, 0.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2CCFF
RGB	210, 204, 255
RGB Percent	82%, 80%, 100%
CMY	0.1766, 0.1999, 0.0001
CMYK	0.18, 0.20, 0.00, 0.00
HSL	247°, 100%, 90%
HSV	247°, 20%, 100%
XYZ	66.2116, 64.1074, 103.4790
YIQ	211.6080, -12.7950, 17.1330

# Conversions

## Conversions Part 2

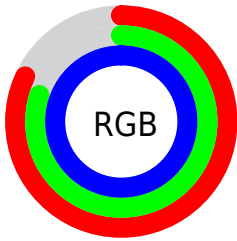
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 204, 255
Decimal	13815039
CIE Lab	84.02, 12.11, -24.18
CIE LCh	84, 27.046, 296.596
Yxy	64.1074, 0.2832, 0.2742
Android (android.graphics.Color)	4292005119 (0xFFD2CCFF)
YUV	211.6080, 21.3923, -1.4102
Hunter-Lab	80.0671, 7.4934, -20.5796

# Details

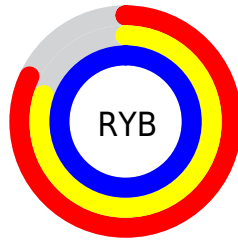
The Yxy color **64.1074, 0.2832, 0.2742** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.0181, 0.3390, 0.3797**, and the grayscale version is **65.4250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.8585, 0.2760, 0.2620** is the 20% darker color. If you saturate the color by 10%, you get **49.8878, 0.2655, 0.2423**, and if you desaturate by 10%, it is **80.7817, 0.2990, 0.3032**.

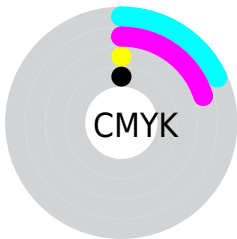
# Distribution



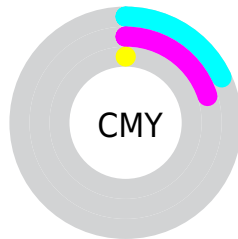
- Red (82%)
- Green (80%)
- Blue (100%)



- Red (82%)
- Yellow (80%)
- Blue (100%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1074, 0.2832, 0.2742 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 64.1074, 0.2832, 0.2742 by changing the saturation by 10% instead.



64.1074, 0.2832,  
0.2742

64.1074, 0.2832,  
0.2742

439.5774, 0.2973,  
0.2993

46.7377, 0.2799,  
0.2686

110.7656, 0.2881,  
0.2828

32.8283, 0.2758,  
0.2617

140.8228, 0.2900,  
0.2862

21.9950, 0.2706,  
0.2530

175.8781, 0.2917,  
0.2891

13.8532, 0.2637,  
0.2419

216.3156, 0.2931,  
0.2917

8.0186, 0.2542,  
0.2270

262.5200, 0.2943,  
0.2939

4.1069, 0.2404,  
0.2063

314.8754, 0.2954,

1.7335, 0.2188,

0.2959

0.1760

373.7664, 0.2964,  
0.2977

0.4452, 0.1835,  
0.1137

0.0000, 0.0000,  
0.0000

64.1074, 0.2832,  
0.2742

64.1074, 0.2832,  
0.2742

49.8878, 0.2655,  
0.2423

80.7817, 0.2990,  
0.3032

37.9992, 0.2463,  
0.2082

99.9991, 0.3127,  
0.3290

28.3192, 0.2261,  
0.1734

20.7107, 0.2060,  
0.1397

■ 15.0214, 0.1874,  
0.1098

■ 11.0781, 0.1718,  
0.0860

■ 8.6754, 0.1603,  
0.0701

■ 7.4925, 0.1534,  
0.0619

■ 7.4915, 0.1534,  
0.0618

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1074, 0.2593, 0.2759



64.1074, 0.2832, 0.2742



64.1074, 0.3162, 0.2854

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.1074, 0.2832, 0.2742



64.1074, 0.3803, 0.3614



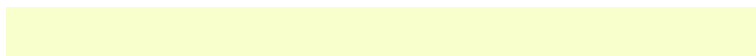
64.1074, 0.2755, 0.3519

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.1074, 0.2832, 0.2742



96.0181, 0.3390, 0.3797

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.1074, 0.3065, 0.3789



64.1074, 0.2832, 0.2742



64.1074, 0.3676, 0.3825

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.1074, 0.2832, 0.2742



64.1074, 0.3738, 0.3339



64.1074, 0.3403, 0.3899



64.1074, 0.2551, 0.3191



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.1074, 0.2832, 0.2742



64.1074, 0.3392, 0.2988



64.1074, 0.3403, 0.3899



64.1074, 0.2850, 0.3622

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.1100, 0.2832, 0.2742



88.1500, 0.3047, 0.3139



87.8348, 0.2823, 0.3227



18.6038, 0.3038, 0.3122



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.1100, 0.2832, 0.2742



58.1242, 0.2763, 0.2617



68.1519, 0.3010, 0.2770



17.4792, 0.2997, 0.3045



3.9468, 0.1541, 0.0623



0.4153, 0.1614, 0.0663



# Inverse Universe

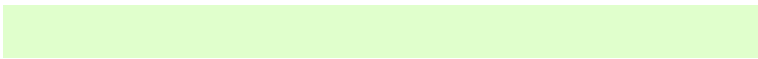
The Inverse Universe completely reimagines the original color for something new.



71.2934, 0.3192, 0.2847



66.5231, 0.3207, 0.2756



91.6478, 0.3224, 0.3824



18.2617, 0.3156, 0.3083



13.9707, 0.3528, 0.1717

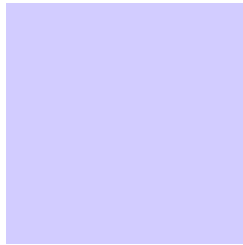


1.3702, 0.3487, 0.1694



# Previews

## White Background



This preview shows how the Yxy color 64.1074, 0.2832, 0.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

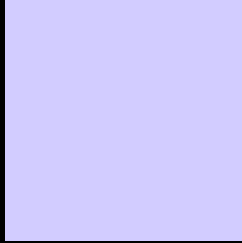
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1074, 0.2832, 0.2742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

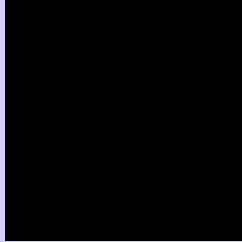
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.1074, 0.2832, 0.2742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1074, 0.2832, 0.2742.

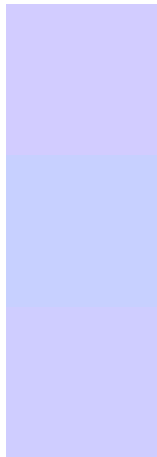


This preview shows how white text looks on a background with the Yxy color 64.1074, 0.2832, 0.2742.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

64.1074, 0.2832, 0.2742

### Protanopia

64.4739, 0.2762, 0.2775

### Deuteranopia

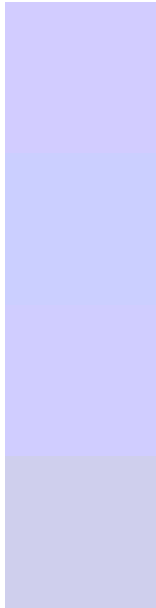
64.1480, 0.2812, 0.2750



## Tritanopia

64.0711, 0.2983, 0.3098

# Trichromacy



## Original Color

64.1074, 0.2832, 0.2742

## Protanomaly

64.5422, 0.2787, 0.2768

## Deuteranomaly

64.2925, 0.2819, 0.2751

## Tritanomaly

64.0055, 0.2926, 0.2957

# Monochromacy



## Original Color

64.1074, 0.2832, 0.2742

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.0512, 0.3013, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  64.1074, 0.2832, 0.2742 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(210, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 204, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(210, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 204, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1074, 0.2832, 0.2742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 204, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(210, 204, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(210, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 204,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1074, 0.2832, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 204, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(210,  
204, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor